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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

M/003/0082

0002

July 21, 2009

Mike Edwards
Geneva Rock Products, Inc.
1565 West 400 North
Orem, Utah 84057

Subject: Review of Notice of Intention to Commence Large Mining Operations, Geneva Rock Products, Inc., Corinne Quarry, M/003/0082, Box Elder County, Utah

Dear Mr. Edwards:

The Division has completed a review of your Notice of Intention to Commence Large Mining Operations for the Corinne Pit, which was received April 21, 2009. The attached comments will need to be addressed before tentative approval may be granted.

We previously sent you an electronic copy of this review and acknowledge receipt of the response. We are in the process of reviewing this submittal. Thank you for your cooperation in replying so quickly.

Sincerely,

Paul B. Baker
Minerals Program Manager

PBB:lk:vs

Attachment: Review

cc: Dianne Furiman, Box Elder County

P:\GROUPS\MINERALS\WP\M003-BoxElder\M0030082-CorinneQuarry\final\Rev-2969-05202009.doc



0002

Initial Review
Page 2 of 3
M/003/0082
July 21, 2009

**INITIAL REVIEW OF NOTICE OF INTENTION
TO COMMENCE LARGE MINING OPERATIONS**

**Geneva Rock
Corinne Quarry**

**M/003/0082
July 21, 2009**

General Comments:

Comment #	Sheet/Page / Map/Table #	Comments	Initials	Review Action
1	General	Well done notice	lah	

R647-4-105 - Maps, Drawings & Photographs

General Map Comments

Comment #	Sheet/Page / Map/Table #	Comments	Initials	Review Action
2	Omission	No Utilities shown on Maps, if there is no utilities, please note that there is no utilities.	lah	
3	Page 18	Mentions the development of two geothermal springs adjacent to SR-83 as shown on Figure 7. Are there any water rights associated with these springs?	tm	

105.3 - Drawings or Cross Sections (slopes, roads, pads, etc.)

Comment #	Sheet/Page / Map/Table #	Comments	Initials	Review Action
4	Page 9, Para 7	"where possible" it doesn't seem that there is any benches that would apply. Please explain in more detail	lah	
5	Page 10, Para 1	Will the highwalls consist of all rock? Or is there unconsolidated material that will be at the top of the highwalls?	lah	

R647-4-106 - Operation Plan

106.2 - Type of operations conducted, mining method, processing etc.

Comment #	Sheet/Page / Map/Table #	Comments	Initials	Review Action
6	Page 11, para 1	Please note if all haul roads will be confined within the disturbance boundaries	lah	
7	Page 11, para 5	Commit to "Blasting in accordance to MSHA regulations"	lah	
8	Omission	Will there be any seismic monitoring on the blasting?	lah	

106.5 - Existing soil types, location, amount

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
9	Page 14 - 15	Text notes variable amounts of topsoil, but notes a change at 15" and 12". Please commit to "salvage all available topsoil"	lah	
10	Page 15, para 4	As noted in text, lithic or bedrock contact can occur below 80 inches, this unconsolidated edge needs to be laid back to a 2H:1V	lah	

106.6 - Plan for protecting & re-depositing soils

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
11	Page 16, para 2	The Division recommends a temporary seeding to protect the topsoil stockpile. (This is noted in your NOI on page 24. Please refer to page 24.)	lah	

106.7 - Existing vegetation - species and amount

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
12		Please provide the detailed vegetation report as soon as it is available	lk	

106.8 - Depth to groundwater, extent of overburden, geology

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
13	Page 18, para 1	The maps show the geothermal spring inside the permit boundary, please give more explanation on why the springs don't relate to ground water table, ie, perhaps they are related to a vertical fault?	lah	
14	Figure 9	No geologic map was included, only geologic xsection have been included. Please include the portion of the geologic map that corresponds to the map on figure 9 in the upper left corner.	lah	

R647-4-109 - Impact Assessment**109.4 - Slope stability, erosion control, air quality, safety**

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
15	Omission	Not enough geologic or rock mechanics information on slope stability, commit to maintain an adequate Factor of Safety for slope stability	lah	

R647-4-113 - Surety

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
16	Page 31	Note on page 31 that surety bond amount is for the 144 acres	lah	
17	Appendix F	The Permittee calculated the reclamation cost in the event of bond forfeiture to be \$1,186,000.00 in 2014. The Division determined that the amount is adequate.	whw	